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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO
09/833,460	04/11/2001	Byeong Moon Jeong	B-1537	3305
32215 75	90 08.05.2003			
KLARQUIST SPARKMAN, LLP 121 SW SALMON STREET, SUITE 1600 ONE WORLD TRADE CENTER			EXAMINER	
			YOON, TAE H	
PORTLAND, OR 97204			ART UNIT	PAPER NUMBER
			1714	11
			DATE MAILED: 08/05/2003	• ,

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application No	o. Applic	ant(s)				
		09/833,460	JEON	G ET AL				
	Office Action Summary	Examiner	Art Un	it				
		Tae H Yoon	1714					
Period fo	- The MAILING DATE of this communicati r Reply	on appears on the cov	er sheet with the correspo	ndence address				
THE N - Exter after - If the - If NO - Failui - Any re	DRTENED STATUTORY PERIOD FOR MAILING DATE OF THIS COMMUNICAT sions of time may be available under the provisions of 37 SIX (6) MONTHS from the mailing date of this communical period for reply specified above is less than thirty (30) day period for reply is specified above, the maximum statutory et or reply within the set or extended period for reply will, the sply received by the Office later than three months after the dipatent term adjustment. See 37 CFR 1.704(b).	FION. CFR 1.136(a). In no event, howering the interest of the statutory may be period will apply and will expire the application of the statute, cause the application.	wever, may a reply be timely filed inimum of thirty (30) days will be co e SIX (6) MONTHS from the mailing to become ABANDONED (35 U S	onsidered timely. g date of this communication. C. § 133).				
1)[Responsive to communication(s) filed of	on <u>10 June 2003</u> .						
2a)	This action is FINAL . 2b)[This action is non-	final.					
3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.								
· · ·	on of Claims							
4) ⊡	4) Claim(s) 1-31 is/are pending in the application.							
	4a) Of the above claim(s) <u>18-30</u> is/are withdrawn from consideration.							
5)	5) Claim(s) is/are allowed.							
6)⊡	6)⊡ Claim(s) <u>1-17 and 31</u> is/are rejected.							
7)	7) Claim(s) is/are objected to.							
8) Claim(s) are subject to restriction and/or election requirement.								
Applicati	on Papers							
9) 🗌 -	The specification is objected to by the Ex	aminer.						
10) 🗌 🗆	he drawing(s) filed on is/are: a)[accepted or b) object	eted to by the Examiner.					
	Applicant may not request that any objection	on to the drawing(s) be h	eld in abeyance. See 37 CF	FR 1.85(a).				
11) 🔲 🗀	he proposed drawing correction filed on	is: a) approv	red b) ☐ disapproved by	the Examiner.				
	If approved, corrected drawings are required in reply to this Office action.							
12) The oath or declaration is objected to by the Examiner.								
Priority u	nder 35 U.S.C. §§ 119 and 120							
13) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).								
a)[a) All b) Some * c) None of:							
	1. Certified copies of the priority documents have been received.							
	2. Certified copies of the priority documents have been received in Application No							
	3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).							
* See the attached detailed Office action for a list of the certified copies not received.								
14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).								
a) The translation of the foreign language provisional application has been received								
y- " -1 * 1								
Notice □	rot freterences ofted in Footsa. Fof Draftsperson's Patent Drawing Review PTO-9 lation Disclosure Statement(s) PTO-1449 (Paper I		interview Johnson, is 15040 Notice of Informal Patent App Other	n materikus pication PTOH50				

Application/Control Number: 09/833,460

Art Unit 1714

Applicant has elected group I, claims 1-8 and 31, and requested examination of claims 9-17 with said group I. The examiner modifies the restriction requirement and examines claims 1-17 and 31 as requested by applicant. This election is made without traverse in Paper No. 10. Claims 18-30 are withdrawn from further consideration by the examiner, 37 CFR 1. 142(b), as being drawn to a nonelected invention.

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claims 3-6 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

The recited molecular weight is indefinite in not specifying a particular average molecular weight such as a number average molecular weight or weight average molecular weight since they are different from each other for a given polymer. See table 1 of US pat. 6,007,845.

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(e) the invention was described in (1) an application for patent, published under section 122(b), by

applicated to pate the effects for purposes of this subsection of an application filed in the United States

Art Unit: 1714

only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 1-12, 14-17 and 31 are rejected under 35 U.S.C. 102(e) as anticipated by or, in the alternative, under 35 U.S.C. 103(a) as obvious over Domb et al (US 6,007,845).

Domb et al teach nanoparticles of the instant A_n(B) block copolymer of a polyethylene glycol (PEG) block and a biodegradable polyester block in Fig, 2a and 2g. The instant molecular weights of PEG are taught at col. 3, lines 60-61 and examples. Table 1 shows molecular weight s said block copolymer and the instantly recited molecular weights of a biodegradable polyester block are inherent thereof as evidenced by example 13 wherein a polycaprolactone having Mw of 3,000 is seen. Various polyesters are taught at col. 3, lines 61-62. Dispersion or suspension of said nanoparticles in water is taught at col. 7, lines 51-52 and col. 13, lines 36-38. Incorporation of bioactive agents such as a cell or a peptide is also taught at col. 11, line 36 to col. 12, lines 25. Thus, the instant invention lacks novelty.

Claims 1-17 and 31 are rejected under 35 U.S.C. 103(a) as being unpatentable

Art Unit: 1714

The instant invention further recites particular anti-cancer agents such as taxol and biodegradable polyester blocks such as $poly(\gamma-butyrolactone)$ over Domb et al.

However, said anti-cancer agents such as taxol are well known as taught by Prokop ([0061]) and Cha et al (col. 9, line 38 to col. 10, line 23). Also, various biodegradable polyester blocks such as poly(γ-butyrolactone) are well known as taught by Cha et al (col. 7, lines 39-48).

It would have been obvious to one skilled in the art at the time of invention to utilize taxol of Prokop or adriamycin of Cha et al or $poly(\gamma-butyrolactone)$ of Cha et al in Domb et al since Domb et al teach employing various bioactive agents and various biodegradable polyester blocks.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tae H Yoon whose telephone number is (703) 308-2389. The examiner can normally be reached on Mon-Thu.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Vasu Jagannathan can be reached on (703) 306-2777. The fax phone numbers for the organization where this application or proceeding is assigned are (703) 872-9310 for regular communications and (703) 872-9311 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or

Application/Control Number: 09/833,460 Page 5

Art Unit: 1714

Tae H Yoon Primary Examiner Art Unit 1714

THY July 29, 2003